

Abstract

Hydraulic piston made from rolled sheet metal and a method
for its manufacture

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The invention relates to a cup-shaped hydraulic piston (10) made from rolled sheet metal, which comprises an open end (12), a side wall (16) with a cylindrical outer surface (18) and an inner surface (22), as well as a piston head (14). The side wall (16) at its outer surface (18) is provided with an annular groove (20) in a portion adjoining the open end (12). To ensure a lightweight style of construction combining high stability with ease of manufacture, the part of the inner surface (22) adjoining the open end (12) and extending axially over the annular groove (20) has a cylindrical shape, and the thickness of the side wall (16) decreases monotonically from the portion (24) of the inner surface (22) up to the piston head (14).

20 (Fig. 1)